

ABSTRACT

A method, apparatus and system enable a mobile node to dynamically discover configuration information while roaming. In one embodiment, Dynamic Host Control Protocol ("DHCP") servers may respond to a mobile node DHCP request with information pertaining to home agents. The mobile node may register with the home agent and receive a registration reply. Based on extensions within the registration reply, the mobile node may determine whether it is roaming on an internal or an external network. The mobile node may then utilize and/or store other information contained within the registration reply extensions to ensure that the mobile node is registered with the appropriate home agent.